

ABSTRACT OF THE DISCLOSURE

The invention provides a method for making mutual authentication between short-distance radio devices automatically or after confirmation by users, and a short-distance radio device for realizing the method. In a condition where a plurality of radio devices exist, each of the radio devices comprising a data communicating unit for performing short-distance radio communication and an authenticating unit for performing authentication of the radio device, the authenticating unit performs mutual authentication between two radio devices automatically or after confirmation by users of the radio devices when the two radio devices come closer to each other to such an extent that coverage areas of radio waves generated by the radio devices overlap with each other.